

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1. (Currently Amended) A process for selectively authorizing the connection of external equipment to a data bus via a communication interface, by an exchange of data between ~~[[an]]~~ the external equipment ~~[[set]]~~ and the data bus via ~~[[a]]~~ the communication interface, wherein:

detection information for an external equipment set is input to the data bus by way of a user interface~~[[;]]~~ and ~~the detection information is~~ transmitted to an authorization system connected with the data bus;

detection information of the external equipment set is extracted from ~~[[the]]~~ data transmitted from the external equipment set via the communication interface to the data bus;

based on the detection information input from the data bus via the user interface, and on the detection information transmitted from the external equipment set, the authorization system checks whether a communication is to

be established between the data bus and the external equipment set to be selectively coupled, and the result of the check is made available as authorization information; [[and]]

when the authorization information is positive, the authorization system permits communication to the external equipment set, ~~by means of~~ via the communication interface, whereby components linked to the data bus ~~via the data bus~~ exchange data with the external equipment set via the data bus; and

the external equipment set comprises at least one of a mobile telephone, laptop computer, mobile PDA and headphones, which sends detection information to the authorization system via the communication interface.

Claim 2. (Original) The process according to Claim 1, wherein the authorization system makes available the status of the communication as connection information.

Claim 3. (Original) The process according to Claim 1, wherein the detection information, the authorization information and the connection information of the external equipment are stored by an authorization system assigned to the data bus and are updated in the event of changes.

Claim 4. (Original) The process according to Claim 1, wherein in the event of a change of the detection information for external equipment, the authorization system implements a new check of the authorization.

Claim 5. (Original) The process according to Claim 1, wherein the coupling of the external equipment to the communication interface takes place via wireless data transmission.

Claim 6. (Original) The process according to Claim 1, wherein data transmission between the external equipment and the communication interface takes place in an encrypted mode.

Claim 7. (Currently Amended) A data bus having a communication interface and at least one component equipped with a microcomputer, wherein:

authorization information can be transmitted to the component via a user interface;

the component has a storage device for the storage of authorization  
[[data;]] information; and

data can be transmitted via the communication interface, from an external equipment set which can be optionally connected with the data bus;

wherein the data bus has an authorization system which analyzes whether a data communication is to be established, based on the detection information for external equipment stored in the storage device and on detection information transmitted by the external equipment.

Claim 8. (Original) The data bus according to Claim 7, wherein detection information establishes or terminates the connection to the external equipment via the communication interface, based on an analysis of the detection information.

Claim 9. (Original) The data bus according to Claim 7, further comprising a comparison device which compares the detection information transmitted from an external equipment set to the communication interface, with detection information for the external equipment set stored in the storage device and, in the case of a match, authorizes the connection.

Claim 10. (New) A process for selectively authorizing the connection of external equipment to a data bus via a communication interface, by an exchange

of data between the external equipment and the data bus via the communication interface, wherein:

detection information for an external equipment set is input to the data bus by way of a user interface, and transmitted to an authorization system connected with the data bus;

detection information of the external equipment set is extracted from data transmitted from external equipment set via the communication interface to the data bus;

based on the detection information input from the data bus via the user interface, and on the detection information transmitted from the external equipment set, the authorization system checks whether a communication is to be established between the data bus and the external equipment set to be selectively coupled, and the result of the check is made available as authorization information;

when the authorization information is positive, the authorization system permits communication to the external equipment set, via the communication interface, whereby components linked to the data bus exchange data with the external equipment set; and

the authorization system stores the authorization information, together with corresponding external equipment identification and status information for said external equipment set, in the form of a table.

Claim 11. (New) The process according to Claim 11, wherein the information stored in said table is readable via the user interface.

Claim 12. (New) The process according to Claim 11, wherein the information stored in the authorization system is updated in the event of changes made via the user interface.

Claim 13. (New) The process according to Claim 12, wherein in the event of a change of the detection information for the external equipment set, the authorization system implements a new check.

Claim 14. (New) The process according to Claim 13, wherein coupling of the external equipment to the communication interface takes place via wireless data transmission.

Claim 15. (New) A process for selectively authorizing the connection of external equipment to a data bus via a communication interface, by an exchange

of data between the external equipment and the data bus via the communication interface, wherein:

detection information for an external equipment set is input to the data bus by way of a user interface, and transmitted to an authorization system connected with the data bus;

detection information of the external equipment set is extracted from data transmitted from the external equipment set via the communication interface to the data bus;

based on the detection information input from the data bus via the user interface, and on the detection information transmitted from the external equipment set, the authorization system checks whether a communication is to be established between the data bus and the external equipment set to be selectively coupled, and the result of the check is made available as authorization information;

when the authorization information is positive, the authorization system permits communication to the external equipment set, via the communication interface, whereby components linked to the data bus exchange data with the external equipment set via the data bus; and

said user interface outputs optical data, and inputs and outputs control information to and from a user of the data bus system.

Claim 16. (New) The process according to Claim 15, wherein the authorization system makes available the status of communication with the external equipment set as connection information, via the user interface.

Claim 17. (New) The process according to Claim 16, wherein the detection information, the authorization information and the connection information of the external equipment set are stored by the authorization system, and are updated in the event of changes.

Claim 18. (New) The process according to Claim 17, wherein in the event of a change of the detection information for the external equipment set, the authorization system implements a new check.

Claim 19. (New) The process according to Claim 15, wherein the coupling of the external equipment to the communication interface takes place via wireless data transmission.



Claim 20. (New) The process according to Claim 15, wherein data transmission between the external equipment and the communication interface takes place in an encrypted mode.